

Figure 1A

S. pneumoniae -----MKTRITELLKIDYPIQCGMAWVADGDLGAVSNAGGLGIIGGGNAP.KEVVKANTDKIKSLTDKFFGVN
Ent. faecalis MKCTYLRTKGRIKSMNQELCELLGINYPIEQCGMAWVADSLASAVSNAGGLGIITAGGNAP.KEVVKKETKKVKELTECPFGVN
C. difficile -----MNKICKILNTKYPVPIQCGMAWVATASLASAVSNAGGLGIITAGGNAP.KEATKKETIVECKLTDKFFGVN
P. aeruginosa -----MGVFRTRFTETFGVEHPIMQCGMCWVGRAEMAAAVANAGGLATLSALTQESPEALAAETIARCRELTDRFFGVN

IMML...SEFV.EDIIVDLVIEGVKVVITGAGNEFSKYMERFHEAGIIVIPVVPVSVALAKRMEKIGADAVIAEGMEAGGHIG...KLTTMTLVQRVATAIS
 IMML...SEFA.DSIVDLVCEQVPVVITGAGNEAKYMARFKEHNKVIIPVVPVSVALAKRMEKIGADAVIFEGMEAGGHIG...KLTTMSGIPQIVDAVS
 VMLM...SEFV.DDIIDLIIIEKVQVITGAGNEAKYMDRLKEACTKVIIPVVPETIALAQRMEKLGATAVIAEGTEGGGHIG...ELTTMTLVIPQVADAVN
 LTLPTQKEFVPAEYRAAIIIEAGIRVIVETACNDEGEHIAEFRRHGVKVIHKCTAVRHAIKAERLGVDAVSIDGFEACAGHPGEDDIPGLVLPAAANRLR

FAD

IPVIAAGGIAIGEGAAAGFMLGASAVQVGTRFVVAKESSNAHENYKEKILKARDIDTISAQHFGHAVRAIKNQLTRDFELAEDAFKQEDPDLEIFEQM
 IPVIAAGGIGDGRGMAAAMFMLGASAVQLGTRFLIAKGCNVHEDYKQVVKARDLDAVITCQHFGEVRTLKNKLTAAQYNQLEKQELQKEVPDLEMFEKI
 IPVIAAGGIVDGRGLAASFALGASAVQVGTRFTCSSECSVHSNYKNLVKAKDRDIIVTGRSTGHEVRTLKNKLSKEFLKMEONGATPEE....LDKK
 VPIIASGGFADGRGLVAALALGADA INMCTRFIATRECPITHEAVKAAITRAADERSDILIMRSLRNTIARVARNALISQEVLAIE...ARGGAGYADIAALV

GAGALAKAVVHGVDGGSVMAGQIAGLVSKETAEETIKDYGAAGKIQEEASRWTGVVRND
 GQGALRKAVVDGMDYGSVMAGQIAGLTKEETIACEITDSIMSECKAIVHKMNQRWG-----
 GTGALRFATVDGDIKGSFMAQQAAMVKEITCKEIIEMVNVQAREIMPAIEL-----
 SGQRGRQVYQGGITDLSIWSAGMVOGLIDDEPACAEILRDIVEQARQLVRQRLEGMLAGV---

Figure 1B

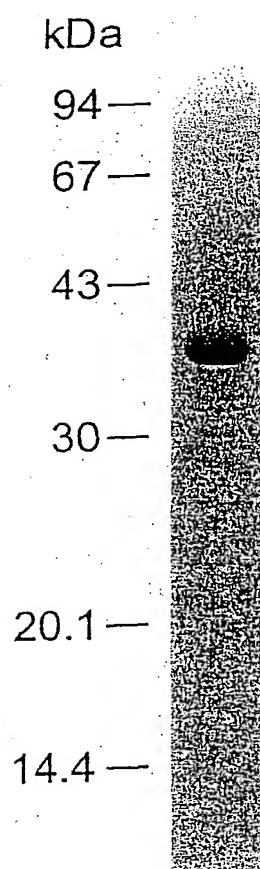


Figure 2A

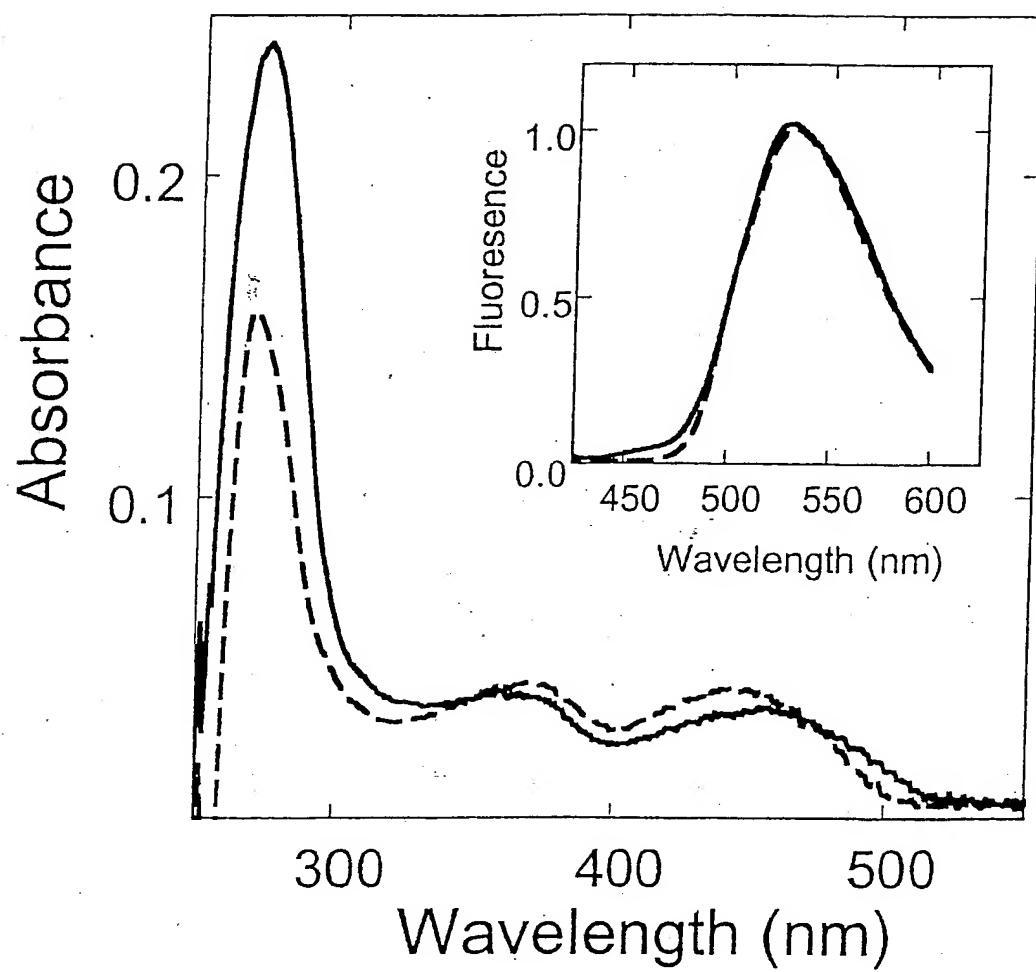


Figure 2B

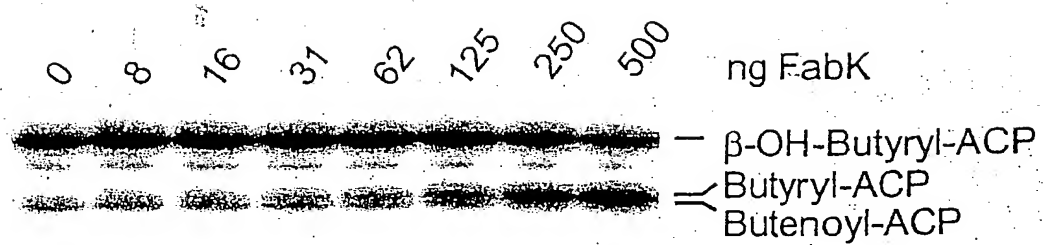


Figure 2C

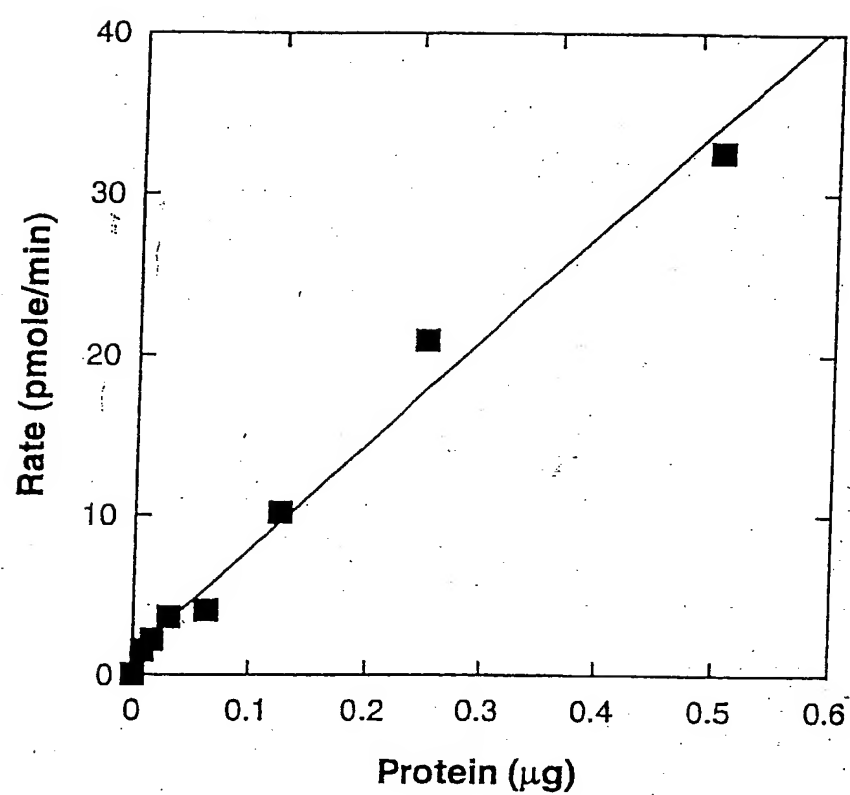


Figure 2D

FABL_BACSU ----MEQNKCALVTGSSRGVCKAAATRLA..ENGYNIVINVARSKKAALETAEELE.KLGVKVLVVKANVGQPAKIKENFOQIDET
 FABL_HPYLO MNGSNHMKNTLVISGATRGIGKAIIFVRFA..QSGVNIAFTYNKNVEEANKIIEDVEQKYSIKAKAYSLNVLEPEQYTELFKQIDAD
 FABI_ECOLI ---MGFLSGKRILVTGVASKLSIAYGLAQAMHREGAELAFYQNDKLGCR..VEEFAAQLGSDI.VLQCDVAEDASIDTMEAEELGKV

FGRLLVSVNN.A.....ASGVLRPVMELEETHNDWTMNAKALFCAQEAAKLMEKNGGCHIVSISLSLSIRYLENYTTVCVSKAALEALTRYLAVE
 FDRVDFEISN.AIIYGRSVVGGFAPFMRLKPKGLNNIYTATVLAHVGAQEAAKRMOKTGGCAIVSLSTGNLVVMPNYAGHGNKNAVEIMVKYAAVD
 WPKFDGSEVHSIGFAPGDQLDGY..VNAVTRREGFKIARDISSYSFVAMAKACRSMI..NEGSAELTLESLCAERATPNVNVMGDAKASLEANVRYMANA

LSPKQITVNAVSGGAIDTDALKHFFNREDILEDARQNTFAGSMVEIKDMVDIVVEFLV.SSKADMIRGCTTIVDGGCSLLV-----
 LGFENIRVNAVSGGFIDTDALKAFPDYVEHKEKVEECSPKRMGNPNDLAGAAYFLCDETCGWLTCGTTIVDGGCTTFK-----
 MGPEGVRVNAISAGPIRTLAASGIKDFRKMLAHCEAVTEIRRTVTIEDVGNAAFLCSDLSAG.ISGEVVHVDGGFSLAAMNELELK

Figure 3